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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

PHILIP NEIL GARNER, et al.

Application No.: 09/695,077

Filed: October 25, 2000

For: PATTERN MATCHING  
METHOD AND APPARATUS

) Examiner: T. Smits

) Group Art Unit: 2654

**RECEIVED**

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Technology Center 2600

) April 1, 2003

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56, Applicants respectfully direct the Examiner's attention to the documents listed below and on the enclosed Form PTO-1449. A copy of each document so listed is enclosed.

- (1) U.S. Patent No. 4,736,429
- (2) U.S. Patent No. 4,903,305
- (3) U.S. Patent No. 4,975,959
- (4) U.S. Patent No. 4,985,924
- (5) U.S. Patent No. 5,075,896
- (6) U.S. Patent No. 5,131,043
- (7) U.S. Patent No. 5,333,275
- (8) U.S. Patent No. 5,390,278
- (9) U.S. Patent No. 5,684,925
- (10) U.S. Patent No. 5,708,759
- (11) U.S. Patent No. 5,737,723
- (12) U.S. Patent No. 5,752,227
- (13) U.S. Patent No. 5,873,061
- (14) U.S. Patent No. 5,983,177
- (15) U.S. Patent No. 6,182,039
- (16) U.S. Patent No. 6,243,680
- (17) U.S. Patent No. 6,389,395

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- (18) EP 0 597 798 A1
- (19) EP 0 649 144 A1
- (20) EP 0 649 144 B1
- (21) EP 0 689 153 A2
- (22) GB 2 302 199 A
- (23) U.S. Pub. No. 2002/0120447
- (24) U.S. Pub. No. 2002/0120448

(25) Bird, S. & Liberman, M., "Towards a Formal Framework for Linguistic Annotations," *Presented At The International Conference On Spoken Language Processing*, (Sydney, Australia, December 1998).

(26) Bird, S. & Liberman, M., "A Formal Framework for Linguistic Annotation," March, 1999.

(27) Bird, S. & Liberman, M., "A Formal Framework for Linguistic Annotation," August 13, 1999.

(28) Cassidy, S. & Harrington, J., "EMU: An Enhanced Hierarchical Speech Data Management System," *Proc. Of The 6th Australian Speech Science and Technology Conference* (Adelaide 1996), pp. 381-386.

(29) Gagnoulet, C., et al., "Marievox: A Voice-Activated Information System," *Speech Communication*, Vol. 10, No. 1 (February 1991), pp. 23-31.

(30) Wechsler, M., "Spoken Document Retrieval Based on Phoneme Recognition," *Swiss Federal Institute of Technology*, (Zurich, 1998).

(31) Wold, E., et al., "Content-Based Classification, Search, and Retrieval of Audio," *IEEE Multimedia*, Vol. 3, No. 3 (Fall 1996), pp. 27-36.

(32) Bahl, et al., "A Method For The Construction Of Acoustic Markov Models For Words," *IEEE Transactions on Speech and Audio Processing*, Vol. 1, No. 4 (October 1993), pp. 443-452.

(33) Lee, Kai-Fu, "Automatic Speech Recognition - The Development Of The SPHINX System", *Speech Communication*, Kluwer Academic Publishers (1989), pp. 28-29.

(34) Markowitz, J. A., "Using Speech Recognition," Prentice Hall (1996), pp. 220-221.

(35) Srinivasan, S., et al., "Phonetic Confusion Matrix Based Spoken Document Retrieval," *Proceedings Of The 23rd Annual International ACM SIGIR Conference On Research And Development In Information Retrieval* (July 24-28, 2000), pp. 81-87.

Documents (1) through (17) and (30) through (33) were cited during prosecution of U.S. Patent Application Nos. 09/985,543 and 09/986,914, which are

commonly-assigned with the subject application. Documents (23) and (24) are publications of Application Nos. 09/985,543 and 09/986,914, respectively, by the Patent Office.

Documents (18) to (22) and (25 to (29) were cited during prosecution of a related application, which is also commonly-assigned with the subject application.

The subject application has received an Office Action on the merits but has not yet received either a final action or a Notice Of Allowance. Accordingly, this Information Disclosure Statement is filed under 37 C.F.R. § 1.97(c) and is accompanied by the \$180.00 fee specified at 37 C.F.R. § 1.17(p). It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

  
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